See reverse side for

Interagency Rep 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1 REGISTRATION NO. 87-R-0002

CUSTOMER NO. 2

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

UTAH STATE UNIVERSITY VP FOR RESEARCH/1450 OLD MAIN HILL LOGAN, UT 84322 - 1450 (435) 797-1180

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
t. Dogs	0	0	0	0	. 0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	48		48
. Hamsters	0	18	0	0	18
3. Rabbits	0	5	45	0	50
. Non-Human Primates	0	0	0	0	0
0. Sheep	0	0	0	0	0
1. Pigs	0	0.	0	0	0
2. Other Farm Animals	0	0	0	0	0
3. Other Animals					
Tenrec	6	0	0	0	0
Cottontail Rabb	it 77	59	0	0	59

1)	Professionally acceptable standards governing the care, treatment, and use of animals, including appropriat	te use of anesthetic,	analgesic,	and tranquilizing dr	ugs, priori la	, during
•	and following actual research, teaching, testing, surgery, or experimentation were followed by this research	facility.	1101/	2 0 000L	11911	
	and following actual research, teaching, testing, surgery, or experimentation were followed by this research	111111	MUV	4 0 Z001		

aspects of animal care and use

CERTIFICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive O	fficer or Legally Responsible Institutional official)	
I certify that the abo	ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
Boutence	Brent Miller, Vice President for Research	11/27/01

APHIS FORM 7023 (AUG 91)

²⁾ Each principal investigator has considered alternatives to painful procedures.

³⁾ This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and inventee in animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary-pare and to overses the adequacy of other

⁴⁾ The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veter

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO.
 87-R-0002

CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

UTAH STATE UNIVERSITY VP FOR RESEARCH/1450 OLD MAIN HILL LOGAN, UT 84322—1450 (435) 797-1180

REPORT OF ANIMALS USED BY A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Raccoon	0	0	40	0	40
Skunk	0	0	10	0	10
Deer Mouse	0	0	43	0	43
Mule Deer	0	9	0	0	9
Elk	0	8	0	0	8
Cougar	0	0	17	0	17
ASSURANCE STATEMENTS				NOV 2 3 2001 USDA 4-1-35, SEAC, AC SALW - 2-1-10, CA	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other assects of paired age and use

aspects of animal care and use.		
CERTIFICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive O	fficer or Legally Responsible Institutional official)	
I certify that the ab	ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
7		
Brutance	Brent Miller, Vice President for Research	11/17/01

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

87-R-0002

Customer Number:

2

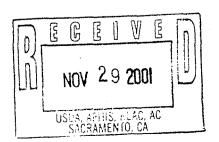
Facility:

UTAH STATE UNIVERSITY

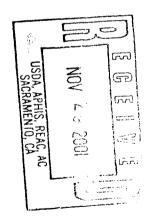
VP FOR RESEARCH/1450 OLD MAIN HILL

LOGAN, UT 84322 (435) 797-1180

UTAH STATE UNIVERSITY 1450 OLD MAIN HILL LOGAN, UT 84322



		IACUC APPROVED EXCEPTIONS
IACUC#	INVESTIGATOR	EXCEPTION/DATE 1
363R	UDY	Approval to house 12 Siberian hamsters in cages with a height of 5 inches instead of 5 ½ to 6 inches - Approved 6/98
363R	UDY	Approval to modify the cage and bedding change schedule from every week to monthly bedding change and cage change every three months for Tenrecs Approved 12/94
796R 860R	KNOWLTON/ CONOVER	Approval to transport rabbits in cages 9x15x10 between Green Canyon, Wildlife Research Park in Millville, and the LARC on USU campus - Approved 10/99



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 87-R-0003 CUSTOMER NO. FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

PROCESSAN YOUNG UNIVERSITY.

BRIGHAM YOUNG UNIVERSITY A-261, ASB PROVO, UT 84602 (801) 378-6882

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

9th Floor Widtsoe Building

Veterinary Technology Kennel

	B. Number of	C. Number of	D. Number of animals upon	ssary or use APHIS FORM 7023A) E. Number of animals upon which teaching,	F.
A. Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs		29			29
5. Cats		31			31
6. Guinea Pigs	``				
7. Hamsters					
8. Rabbits	1	5	39		44
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Black bears		35			35
Chinchilla		L			1
Ferrets		2			2

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysis, and tranquilizing drugs, prior, to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	HEADQUARTERS RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional official)	
•	ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10/31/01
Jay Klon	Gary R. Hooper, Associate Academic Vice Pres	, _ , -

APHIS FORM, 7023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

²⁾ Each principal investigator has considered alternatives to painful procedures.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 87-R-0003

CUSTOMER NO. 3

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) **BRIGHAM YOUNG UNIVERSITY**

A-261, ASB PROVO, UT 84602 (801) 378-6882

				ssary or use this form.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Cliff chipmunk		32			32
Least chipmunk		2			2
Valley Pocket Go	pher	2			2
Ord's Kangaroo Ra	t	55			55
Northern Grasshop	per Mouse	11			
Long-Tailed Pocket	t Mouse	3			3
Silky Pocket Mouse	e	21			21
Great Basin Pocke	t Mouse	1.7			17
Desert Woodrat		16			16
House Mouse		10			10
Brush Mouse		30			30
Mouse UNK		22	:		22
Canyon Mouse		17			17
Deer Mouse		265			265
Pinyon Mouse		178			178
Western Marvest	Mouse	17			17
Desert Cottontal	1	3			3
ASSURANCE STATEMENTS				1 5 6 6 1 5 5	

	Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate useror adestrienc, analysisc, and	tranquitizing drugs, prior to, durit	ij
•	and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.	and the second second	

aspects of animal care and use.		
CERTIFICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive O	fficer or Legally Responsible Institutional official)	
certify that the abo	ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	Gary R. Hooper, Assoc. Academic V.P.	10/31/01

APHIS FORM 7023A (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

²⁾ Each principal investigator has considered alternatives to painful procedures.

³⁾ This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the Initial investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

⁴⁾ The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and use.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 87-R-0004 CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
 L D S HOSPITAL

8TH AVENUE AND C STREET SALT LAKE CITY, UT 84143 (801) 321-1100

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(sites)

See Attached Listing Medical Physics (Old St. Marks), \$25 N 300 W #420, Salt Lake City UT 84103
Advanced Interventional Tchn. Lab, 803 N 300 W., Salt Lake City UT 84103
Surgical Research Lab (Small An. Lab) LDS Hospital, 8th Av & C St, Salt Lake City UT 84143
Griggs Research Lab, LDS Hospital, 8th Avenue and C Street, Salt Lake City UT 84143

REPORT OF ANIMALS USED B	OR UNDER CONTROL O	F RESEARCH FACILITY		ssary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B: Number of animals being bred, conditioned, or heid for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs			6		6
5. Cats					
6. Guinea Pigs					· · · · · · · · · · · · · · · · · · ·
7. Hamsters					
3. Rabbits					
9. Non-Human Primates					
10. Sheep					····
11. Pigs					
12. Other Farm Animals					
13. Other Animals				NOV - 2 2001	
				USDA: APPLIS ESAC AC SACRAMENTO, CA	
				SACRAMENIO, GA	

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

aspects of attitude care and use.		
(Chief Executive	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OF INCOUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) CEO Salt Lake Valley Hospitals	10/25/01
APHIS FORM 7023 (Replaces VS FORM 18-23 (Oct 88), (AUG 91)	which is obsolete H: Cary Pen rson (EO PART 1. Per Corresp. 1-5-01	- HEADQUARTERS

See reverse side for

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 87-R-0008

CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

WEBER STATE UNIVERSITY 2505 HARRISON BLVD. OGDEN, UT 84408 (801) 626-6470 7931

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS(sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals unon which experiments. conducted involving accompanying pain or distress TOTAL NO. Animals Covered bred. which teaching, teaching, research, conditioned, or to the animals and for which the use of appropriate OF ANIMALS research, surgery, or tests were By The Animal held for use in experiments, or conducted involving anesthetic analgesic, or tranquilizing drugs would Welfare Regulations (Cols. C+ have adversely affected the procedures, results, or teaching, testing tasts wara accempanying pain or interpretation of the teaching, research, D + E) experiments, conducted distress to the animals involving no experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report) 4. Dogs 5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

1)	Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic	, analgesic,	and tranquilizing drugs	, prior t	o, during,
	and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.	ll n :			
2)	Each principal investigator has considered alternatives to painful procedures.		NOV - 5	2001	

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

and the second s	HEADQUARTERS RESEARCH FACILITY OFFICIAL	
	ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
My fuller	Associate 7 Word - Kathleen	10/05/01

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

See Attached Listing

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

M, WHERE

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

87-R-0008

Customer Number:

5

Facility:

WEBER STATE UNIVERSITY 2505 HARRISON BLVD.

OGDEN, UT 84408

(801) 626-6170 7931

Laris

WEBER STATE UNIVERSITY 3705 HARRISON BLVD. OGDEN, UT 84408



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO. 87-R-0013

CUSTOMER NO. 1013

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

N P S PHARMACEUTICALS 420 CHIPETA WAY, SUITE 240 SALT LAKE CITY, UT 84108 (801) 583-4939

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS(sites) See Attached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, D. Number of animals upon B. Number of Number of experiments, research, surgery or tests were Α. which experiments, animals being animals upon TOTAL NO. conducted involving accompanying pain or distress teaching, research, bred. which teaching, to the animals and for which the use of appropriate OF ANIMALS Animals Covered surgery, or tests were research, conditioned, or anesthetic, analgesic, or tranquilizing drugs would By The Animal conducted involving experiments, or held for use in (Cols. C+ Welfare Regulations have adversely affected the procedures, results, or accompanying pain or teaching, testing, tests were D + E) interpretation of the teaching, research, distress to the animals conducted experiments, experiments, surgery, or tests. (An explanation of and for which appropriate involving no research, or the procedures producing pain or distress in these anesthetic, analgesic, or surgery but not pain, distress, or animals and the reasons such drugs were not used tranquilizing drugs were yet used for such use of painmust be attached to this report) relieving drugs. purposes. 4. Dogs 5. Cats 6. Guinea Pigs 7 Hamsters Rabbits 9. Non-Human Primates 10. Sheep 11, Pigs 12. Other Farm Animals 13. Other Animals 15 W II x ASSURANCE STATEMENTS 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysis and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and exprained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A suppose of all the according to the standards and regulations be specified and exprained by the 2) Each principal investigator has considered alternatives to painful procedures. principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected. addition to identifying the IACUC-approved exceptions, this summary anchors a site explanation of adequate veterinary care and to oversee the addition of other C.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the addition of the ACCIONATION CA.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the addition of the ACCIONATION CA. aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.Ø. OR INSTITUTIONAL OFFICIAL Jackson Ph.D. - Presiden

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1.. REGISTRATION NO. 87-R-0018 CUSTOMER NO. 1629

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

FRONTIER BIOMEDICAL, INC. 1785 NORTH 730 WEST LOGAN, UT 84321

	ill locations where animals	were housed or used in a	actual research, testing, teaching,	or experimentation, or held for these purposes. Attach add	itional
sheets if necessary.)		F	ACILITY LOCATIONS(sites)		<u> </u>
FRONTIER BIOMEDICAL, INC LOGAN, UT 84321	C.				
REPORT OF ANIMALS USED BY				ssary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Weifare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cots. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		10	43		53
9. Non-Human Primates			·		
10. Sheep	25	6	. 93		99
11. Pigs			3		3
12. Other Farm Animals			į		
Goats		2			2
13. Other Animals					
					-
ASSURANCE STATEMENTS			·		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
Raymond E. Olsen President	Raymond E. Olsen President	11/26/2001		

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 87-R-0020 CUSTOMER NO. 1831

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

 UTAH ARTIFICIAL HEART INST.

 803 NORTH 300 WEST

803 NORTH 300 WEST SALT LAKE CITY, UT 84103 (801) 332-1100

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Esary or use APHIS FORM 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	Ø	Ø	0	Ø	Ø
5. Cats	Ø	Ø	Ø	Ø	Ø
6. Guinea Pigs	Ø	Ø	Ø	Ø	Ø .
7. Hamsters	Ø	Ø	Ø	φ	Ø
8. Rabbits	Ø	P	Ó	Ø	Ø
9. Non-Human Primates	Ø	Ø	Ø	Ø	0
10. Sheep	Ø	D	jŸ	Ø	14
11. Pigs		Ø	6	Ø	6
(LOWS) 12. Other Farm Animals	Ø	Ø	31	0	31
13. Other Animals					
				11 57 3 344 10	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY	Y HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive C	Officer or Legally Responsible Institutional official)	
	bove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
()	Don Olsen	
(SA) Ing (Directon	2-0ct-01
A PUND FORM 7022		HEADOLIARTERS

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

Prev. Annual Report

PART 1 - HEADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

87-R-0020

Customer Number:

1831

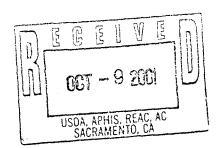
Facility:

UTAH ARTIFICIAL HEART INST.

803 NORTH 300 WEST SALT LAKE CITY, UT 84103

(801) 332-1100

UTAH ARTIFICIAL HEART INST. 9990 SOUTH 3100 EAST SANDY, UT 84092



O Utah Artificial Heart Institute

Don B. Olsen, D.V.M.
President
801-323-1122
dolsen@uahi.org

October 2, 2001

To: United States Department of Agriculture

9580 Micron Ave. Suite J Sacramento, CA 95827

From: Don B. Olsen DVM

Utah Artificial Heart Institute

803 N 300 W

Salt Lake City, UT 84103

Registration number: 87-R-0020

Re: October 2000 through September 2001 Annual Report

There were no animals used at the Utah Artificial Heart Institute between October 1999 to September 2000 pertinent to column E upon which teaching, experiments research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesia, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching research experiments, surgery, or tests. There were also no exceptions to the regulations and standards, specified and explained by the principal investigator and approved by the IACUC. There were also no experiments conducted at UAHI with "death as an endpoint". As of April 2001 the site at 9990 South 3100 East Sandy, UT 84092 was removed as a site for the Utah Artificial Heart Institute. This site will not be reported or counted on the report for next year.

Sincerely,

Don B. Olsen DVM President, UAHI